CITY OF ISSAQUAH
DEVELOPMENT SERVICES

Development Services
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issaquahwa.gov

Temporary Erosion and Sediment Control (TESC) Report and Stormwater Pollution Prevention Plan For Construction Activities

Type of Project: Single Family Residence

Project Name: Pinecrest @ Issaquah Highlands

Project Address/Site Location: 1156 Pinecrest Circle NE

Public Works Permit Number:

Owner/Developer: TOLL WA LP

Contractor:

Property Area (sq ft): 3,690 Sqft. lot 68

Area to be Cleared (sq ft): 3,690 Sqft.

Estimated Total Fill (cubic yards):

Estimated Total Excavation (cubic yards): 100 cy

Existing Impervious Area (sq ft): 0 Sqft.

New Impervious Area (sq ft): 1,992 Sqft.

Replaced Impervious Area (sq ft): 1,992 Sqft.

Prepared By: M. Schmidt

Date Prepared: 01-19-15

CITY OF ISSAQUAH · ENGINEERING REVIEW
APPROVED
ALL WORK SUBJECT TO FIELD INSPECTION

1. INTRODUCTION

This Temporary Erosion and Sediment Control Report and Stormwater Pollution Prevention Plan for the City of Issaquah (TESC Report) has been prepared as part of the City of Issaquah Public Works Permit requirements for the Pinecrest @ Issaquah Highlands construction project.

The Contractor is required to comply with the terms of this TESC Report and any TESC measures shown on the approved plans. The Contractor shall designate a TESC Supervisor who shall be responsible for the performance, maintenance, and review of TESC measures as described in this TESC Report and the approved plans.

After the permit is issued, a TESC Preconstruction Meeting will be held onsite to discuss the TESC plans for the site. Any changes needed to adapt the plan to actual site conditions can be addressed at that meeting. For example, proposed silt fence locations are reviewed to ensure that they are appropriate for the site.

Overall TESC requirements for the City of Issaquah are described in the 2011 City of Issaquah Addendum to the 2009 King County Surface Water Design Manual (available at http://issaquahwa.gov/DocumentCenter/View/1049).

For more information on TESC requirements specific to single family residential construction, see Sections C.1.4, C.3, and C4.2 of Appendix C (Small Project Drainage Requirements) of the King County Surface Water Design Manual. This document is available at http://www.kingcounty.gov/environment/waterandland/stormwater/documents/surface-water-design-manual.aspx.

2. SITE DESCRIPTION

Describe the existing conditions, topography, drainage facilities, soils, critical areas, etc, as appropriate. This is intended to be a brief overview of the site.

The site slopes from front to rear with approx. 1.5' of pitch across the lots. See accompanying temporary erosion and sediment control plan.

3. PROPOSED CONSTRUCTION ACTIVITIES AND SCHEDULE

a. Describe the proposed construction activities and an approximate schedule for the project. Include the existing and proposed storm drainage.

Build a new single family home on lot 68. Connect roof drainage to storm drain stub to site.

b. What is the approximate square footage of the total site disturbance, including clearing and grading for buildings, driveways, drain fields, etc.?

3,690 Sqft.

4. CONSTRUCTION TESC BEST MANAGEMENT PRACTICES (BMPS)

Describe below how each of the following will be addressed for the project. See Appendix C, page C-20, for more information.

The Monitoring Points and BMPs are to be shown on the project site plan as much as possible. If for some reason this is a problem, it is acceptable to provide the information on a separate sketch. See Appendix C, page C-116 for an example.

a. Monitoring Points

Identify Monitoring Points on the site plan for all locations where runoff normally discharges from the project site. This includes possible discharges to roadside ditches, drainage swales, storm drains, etc. The City will measure the turbidity of the discharge at the Monitoring Points to verify compliance with the permit.

For project sites where designating a monitoring point is not feasible (for example, flat sites or sites where runoff sheet flows across the property), the monitoring locations will be at the discretion of the City of Issaquah.

Monitor the downslope area along the
silt fence installation.

b. Mark Clearing Limits/Minimize Clearing

Show the clearing and grading limits for the project. The purpose of the clearing and grading limits is to define the project boundaries and to prevent disturbance of areas not designated for clearing and grading (e.g. critical areas and buffers). Silt fence is often used to define clearing and grading limits.

The entire site will be cleared.

c. c) Minimize Sediment Tracked Offsite

Show the construction entrance and any related parking or staging areas.

See temporary erosion and sediment control plan.

d. Control Sediment

Describe how and where perimeter protection (e.g. silt fence) to filter sediment from sheet flow will be provided downhill from disturbed areas. Perimeter protection shall be provided to protect all critical areas and buffers. Provide storm drain inlet protection for nearby storm drains.

Silt fencing is in place for the overall site to control runoff along with installed drain inlet protection. Silt fencing will be installed on the downhill side of this site to minimize sediment runoff from this site.

e. Stabilize Exposed Soils/Stockpiles

Describe how and what cover measures (straw or other mulch, plastic, erosion control blankets, etc.) will be used to protect disturbed areas and any stockpiled material.

Straw mulch will be used to protect disturbed areas and any stockpiled material will be covered with plastic.

f. Control Runoff

Describe how stormwater runoff will be managed on the site to keep sediment-laden water from leaving the site. Typical measures include temporary ditches and ponds. Also, if appropriate, describe the BMPs to be used to keep any uphill surface water and stormwater runoff away from the project site.

Silt fencing is in place for the overall site to control runoff along with installed drain inlet protection. Silt fencing will be installed on the downhill side of this site to minimize sediment runoff from this site.

g. Control Dewatering

Describe the BMPs to be used to manage turbid water resulting from any dewatering of foundations, excavations, etc. Pumping any water offsite is not allowed without prior approval from the City of Issaquah.

Any dewatering of the site will be directed to a settling pond to allow any turbid water to clear.

h. Final Stabilization

All disturbed areas shall be stabilized with landscaping or some other method prior to final construction approval.

The site will be fully landscaped with grass, bark and shrubs.

5. POLLUTION PREVENTION AND SPILL PREVENTION BMPS

Pollution control measures shall be followed to ensure that no liquid products or contaminated water enters the storm drainage system or otherwise leaves the project site. Describe the BMPs to be used for the following activities:

Note: If the site is located in the Critical Aquifer Recharge Area (CARA) Class 1 or 2, specific pollution prevention BMPS are required (i.e. secondary containment and spill containment supplies).

a. Storage and Handling of Hazardous Materials
Hazardous materials include petroleum products such as oil, fuel, cold mix, paint, solvents, curing compounds, etc. Liquid products stored outside that may contaminate stormwater runoff if spilled shall be stored under cover and in containment. Spill cleanup materials shall be available at the site.

b. Concrete Work and Paving Operations
Describe the BMPs to be used to ensure materials used during concrete foundation work and paving operations do not enter storm drainage systems, surface waters, or wetlands. Concrete washout must be managed properly.

There will be a contained designated concrete washout area for cleanup of concrete conveying machinery.

6) CONTACTS

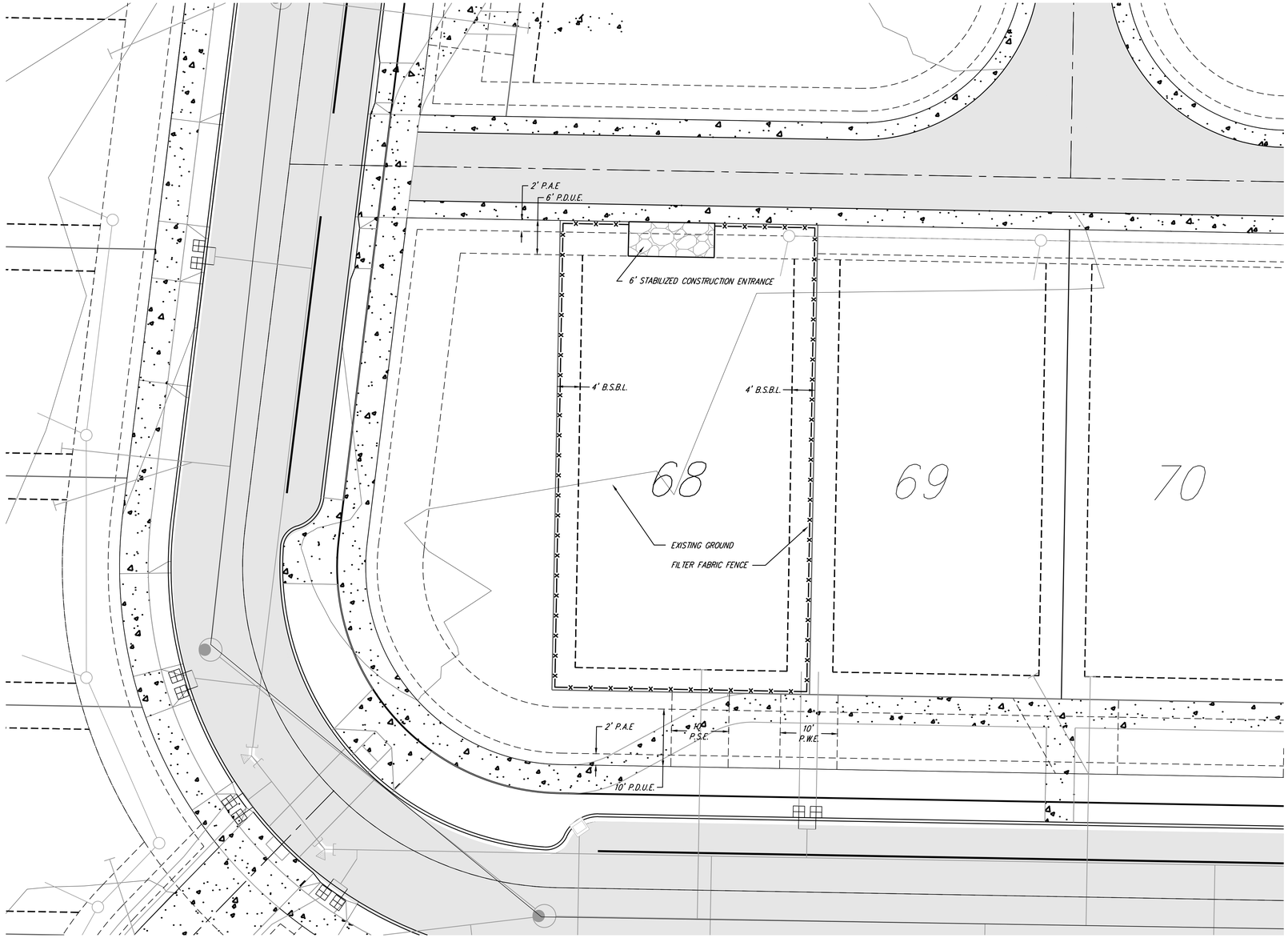
Provide contact information (name and phone numbers) for the following :

Owner/developer: TOLL WA LP 425-825-1955

Contractor: TOLL WA LP 425-825-1955

TESC Supervisor (person responsible for providing TESC for the site):

TOLL WA LP Drew Shemchuk 206-661-4503



SCALE: 1" = 10'

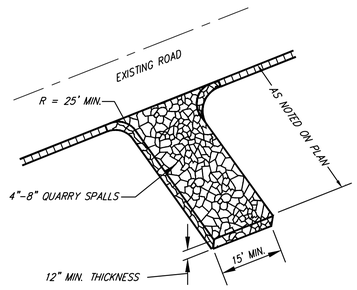
0 5 10 20

LEGEND

- SILT FENCE
- CONSTRUCTION ACCESS
- INLET FILTER FABRIC PROTECTION
- WORK LIMITS

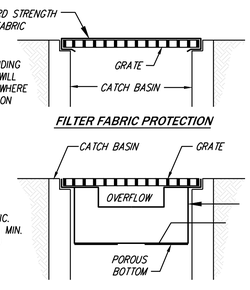
P.A.E.	PUBLIC ACCESS EASEMENT
P.D.U.E.	PRIVATE DRY UTILITY EASEMENT
P.S.D.E.	PRIVATE STORM DRAINAGE EASEMENT
P.S.E.	PRIVATE SEWER EASEMENT
P.W.E.	PRIVATE WATER EASEMENT
B.S.B.L.	BUILDING SETBACK LINE

NOTE:
FOR ANY CONSTRUCTION ACTIVITIES WITHIN 100-FEET OF ANY CRITICAL AREA BUFFER, THE APPLICANT SHALL HIRE AN INDEPENDENT QUALIFIED PROFESSIONAL, ACCEPTABLE TO THE DESIGNATED OFFICIAL TO BE ON SITE TO ENSURE CONSTRUCTION DOES NOT EXCEED THE LIMITS OF THESE APPROVED PLANS. FOLLOWING CONSTRUCTION WITHIN THIS AREA A LICENSED SURVEYOR SHALL SUBMIT AN AFFIDAVIT TO THE DESIGNATED OFFICIAL ATTESTING THAT THE CONSTRUCTION WAS CONTAINED WITHIN THE APPROVED LIMITS.



STABILIZED CONSTRUCTION ENTRANCE

NO SCALE



NOTE: ONLY TO BE USED WHERE PONDING OF WATER ABOVE THE CATCH BASIN WILL NOT CAUSE TRAFFIC PROBLEMS AND WHERE OVERFLOW WILL NOT RESULT IN EROSION OF SLOPES.

FILTER FABRIC PROTECTION

NOTE: THIS DETAIL IS ONLY SCHEMATIC. ANY INSERT IS ALLOWED THAT HAS A MIN. 0.5 C.F. OF STORAGE, THE MEANS TO DEWATER THE STORED SEDIMENT, AN OVERFLOW, AND CAN BE EASILY MAINTAINED.

CATCH BASIN INSERT

MAINTENANCE STANDARDS

1. ANY ACCUMULATED SEDIMENT ON OR AROUND THE FILTER FABRIC PROTECTION SHALL BE REMOVED IMMEDIATELY. SEDIMENT SHALL NOT BE REMOVED WITH WATER, AND ALL SEDIMENT MUST BE DISPOSED OF AS FILL ON-SITE OR HAULED OFF-SITE.
2. ANY SEDIMENT IN THE CATCH BASIN INSERT SHALL BE REMOVED WHEN THE SEDIMENT HAS FILLED ONE-THIRD OF THE AVAILABLE STORAGE. THE FILTER MEDIA FOR THE INSERT SHALL BE CLEANED OR REPLACED AT LEAST MONTHLY.
3. REGULAR MAINTENANCE IS CRITICAL FOR BOTH FORMS OF CATCH BASIN PROTECTION. UNLIKE MANY FORMS OF PROTECTION THAT FAIL GRADUALLY, CATCH BASIN PROTECTION WILL FAIL SUDDENLY AND COMPLETELY IF NOT MAINTAINED PROPERLY.

FILTER FABRIC PROTECTION FOR CB's

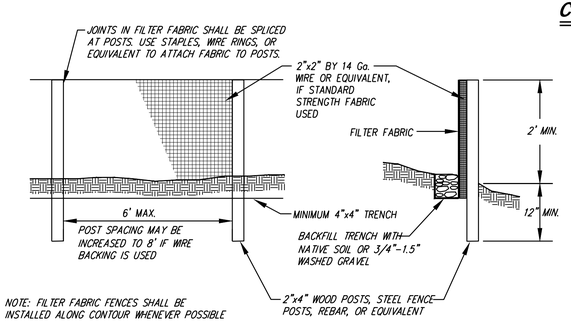
NO SCALE

NOTES

1. DURING ANY CONSTRUCTION ACTIVITIES WITHIN 100 FEET OF THE PROJECT OR ANY CRITICAL AREA BOUNDARY, THE APPLICANT SHALL HIRE AN INDEPENDENT OFFICIAL TO BE ON-SITE TO ENSURE CONSTRUCTION DOES NOT EXCEED THE LIMITS INDICATED ON THESE APPROVED PLANS. FOLLOWING CONSTRUCTION IN THESE AREAS, A LICENSED SURVEYOR SHALL SUBMIT AN AFFIDAVIT TO THE RESPONSIBLE OFFICIAL ATTESTING THAT THE CONSTRUCTION WAS MAINTAINED WITHIN APPROVED LIMITS. THIS AFFIDAVIT SHALL BE SUBMITTED TO THE M.D.R.T. PRIOR TO THE APPROVAL OF ANY BUILDING PERMITS FOR THE AREA IN QUESTION.
2. SITE HAS BEEN CLEARED AND MASS GRADED UNDER PUB12-00098 PARCEL A & 1 GRADING PLAN. SITE MAY REQUIRE ADDITIONAL MULCH COVERING AS CONSTRUCTION PROGRESSES.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING T.E.S.C. FACILITIES AS NEEDED TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING ADJACENT AREAS.
4. PERMANENT SURVEY STAKES SHALL BE INSTALLED IN FIELD TO DELINEATE CRITICAL AREA BOUNDARIES PRIOR TO ISSUANCE OF BUILDING PERMIT.

TEMPORARY EROSION SEDIMENTATION CONTROL NOTES

1. THE INTERCEPTOR SWALES AND ASSOCIATED CONVEYANCE ELEMENTS (IF SHOWN ON THESE PLANS) ARE SCHEMATIC. LOCATION AND ALIGNMENT OF THE SWALES MAY BE ALTERED AS REQUIRED TO FIELD CONDITIONS AND ACTUAL FINAL GRADING. ALSO, FACILITIES AND MEASURES DETAILED IN THESE PLANS ARE THE MINIMUM REQUIRED TO CONTROL EROSION AND SEDIMENTATION. FACILITIES AND MEASURES MAY BE DELETED, ADDED, MOVED OR REVISED AT THE DIRECTION OF THE ENGINEER OR DSD.
2. ALL EXPOSED SOIL AT SLOPES LESS THAN 3:1 TO BE TRACK-WALKED, SEEDED AND COVERED WITH STRAW MULCH, 2" - 3" THICK.
3. MULCH ON ALL SLOPES STEEPER THAN 3:1 MUST BE STABILIZED WITH JUTE MAT WITHIN 24 HOURS OF EXPOSURE.
4. EXPOSED SOIL MUST BE COVERED WITHIN 5 DAYS OF EXPOSURE DURING THE DRY SEASON (APRIL 1 THROUGH SEPTEMBER 30) AND WITHIN 48 HOURS OF EXPOSURE DURING THE WET SEASON (OCTOBER 1 THROUGH MARCH 31).
5. ALL ROADWAYS MUST BE KEPT CLEAN AND FREE OF SEDIMENT.
6. EACH CONTRACTOR SHALL DESIGNATE AN "EROSION CONTROL SUPERVISOR" (ECS) THAT MUST BE ONSITE WHENEVER WORK IS BEING PERFORMED. THE ECS SHALL MAKE PERIODIC (AT LEAST DAILY) CHECKS OF THE APPLICABLE EROSION CONTROL SYSTEMS AND PERFORM REPAIRS AND UPGRADES IMMEDIATELY AS NEEDED. WORK MAY BE STOPPED IF THE EROSION CONTROL SYSTEMS ARE NOT BEING CHECKED OR MAINTAINED OR ARE NOT OPERATING EFFECTIVELY.



NOTE: FILTER FABRIC FENCES SHALL BE INSTALLED ALONG CONTOUR WHENEVER POSSIBLE

FILTER FABRIC FENCE DETAIL

NO SCALE

CONSTRUCTION SEQUENCE

PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE.

SURVEY THE CLEARING LIMITS/PROPERTY BOUNDARY AND SET WITH PERMANENT MARKERS OR STAKES. PRIOR TO NEXT ACTIVITY, AN INSPECTION OF THE MARKERS SHALL BE PERFORMED BY THE D.S.D.

CONSTRUCT THE STABILIZED CONSTRUCTION ENTRANCE.

INSTALL SILT FENCE.

INSTALL FILTER FABRIC PROTECTION IN THE NEAREST DOWNSTREAM CATCH BASIN.

CITY OF ISSAQUAH - ENGINEERING REVIEW
APPROVED
ALL WORK SUBJECT TO FIELD INSPECTION

TAX PARCEL 6790850680
1156 PINE CREST CIRCLE NE

NO	REVISIONS	DATE

1/16/19

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LOT 68 - PINECREST
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
ISSAQUAH HIGHLANDS
TOLL BROTHERS - CAMWEST DEVELOPMENT, INC
9720 NE 120TH PL, SUITE 100
KIRKLAND, WA. 98034

DATE	
DESIGNED	G.R.S.
DRAWN	G.R.S.
APPROVED	GLENN R. SPRAGUE

GLENN R. SPRAGUE, P.L.S.
PROJECT MANAGER

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PROJECT NUMBER
13078